

# Vardenafil, Hydrochloride Salt: sc-394434



*The Power to Question*

## MATERIAL SAFETY DATA SHEET

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### 1. Product and Company Identification

**Product Name:** Vardenafil, Hydrochloride Salt  
**Product Number:** sc-394434

**Supplier:** Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, CA 95060  
800.457.3801 or 831.457.3800

**Emergency:** ChemWatch  
Within the US & Canada: 877-715-9305  
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

### 2. Composition/Data on Components

**Hazardous Ingredient:** Vardenafil, Hydrochloride Salt  
**CAS Registry Number:** 224785-91-5  
**Molecular Weight:** 525.06  
**Molecular Formula:** C<sub>23</sub>H<sub>32</sub>N<sub>6</sub>O<sub>4</sub>S•HCl

### 3. Hazard Identification

**Hazard Description:**

Toxic. Contains a pharmaceutically active ingredient.  
Handling should only be performed by personnel trained and familiar with handling of potent active pharmaceutical ingredients. Moderate to severe irritant to the skin and eyes.

### 4. First Aid Measures

**After Inhalation:**

If inhaled, remove to fresh air; if breathing is difficult, give oxygen; if breathing stops, give artificial respiration

**After skin contact:**

Flush with copious amounts of water; remove contaminated clothing and shoes; call a physician

**After eye contact:**

Check for and remove contact lenses and flush with copious amounts of water; assure adequate flushing by separating the eyelids with fingers; call a physician

**After swallowing:**

If swallowed, wash out mouth with copious amounts of water; call a physician

### 5. Fire Fighting Measures

**Suitable extinguishing agents:**

Water spray, carbon dioxide, dry chemical powder or foam

**Protective equipment:**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Hazardous Decomposition products**

Unusual fire hazard: emits toxic fumes such as carbon monoxide, etc.

### 6. Accidental Release Measures

**After Inhalation:**

Cordon off area of spill; wear self-contained breathing apparatus, protective clothing and heavy rubber gloves

**Measures for cleaning/collecting**

Absorb solutions with finely- powdered liquid-binding material (diatomite, universal binders); decontaminate surfaces and equipment by scrubbing with alcohol; dispose of contaminated material according to Section 13

### 7. Handling and Storage

**Information for safe handling**

Avoid inhalation and contact with skin, eyes and clothing; material may be an irritant. Store at -20°C.

## 8. Exposure Controls and Personal Protection

Personal protective equipment as follows:

**Breathing equipment:**

NIOSH/MSHA-approved respirator

**Protection of hands:**

Chemical-resistant rubber gloves

**Eye protection:**

Chemical safety goggles

## 9. Physical and Chemical Properties

Form: solid

## 10. Stability and Reactivity

**Stability:**

Stable if stored as directed; avoid strong oxidizing agents

**Thermal decomposition / conditions to be avoided:**

Protect from light and heat

**Dangerous products of decomposition:**

Thermal decomposition may produce toxic gases such as carbon monoxide, carbon dioxide, and nitrogen oxides

## 11. Toxicological Information

**RTECS#:** no data available

**Acute toxicity:**

none known

**Primary irritant effect:**

not known

**On the skin:**

none known

**On the eye:**

not known; may be an irritant

## 12. Ecological Information

**General notes:** no data available

## 13. Disposal Consideration

Dispose of in accordance with prevailing country, federal, state and local regulations

## 14. Transport Information

**DOT:**

Proper shipping name: none

Non-Hazardous for transport: this substance is considered to be non-hazardous for transport

**IATA:**

IATA class: none

Non-Hazardous for transport: this substance is considered to be non-hazardous for transport

## 15. Regulations

**Code letter and hazard designation of product:**

**Hazard-determining components of labeling:**

**EU Risk And Safety phrases:**

S24/25: avoid contact with skin and eyes

S26: in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28: after contact with skin, wash immediately with plenty of water

S36/37/39: wear protective clothing, gloves and eye/face protection

R28: very toxic if swallowed

R38: irritating to skin

R41: risk of serious damages to eyes

R48: toxic; danger of serious damage to health by prolonged exposure

R62: possible risk of impaired fertility

R63: possible risk of harm to unborn child

## 16. Other Information

*The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.*

7/22/2014